

L Number	Hits	Search Text	DB	Time stamp
1	490	water and veloci\$3 and correction\$3 and seismic	USPAT; US-PGPUB	2003/02/23 16:06
2	0	travelttime\$3 with (variable and water and velocity) and seismic	USPAT; US-PGPUB	2003/02/23 16:07
3	1	(travel and time\$3) with (variable and water and velocity) and seismic	USPAT; US-PGPUB	2003/02/23 16:10
4	391	(travel and time\$3) and (variable and water and velocity) and seismic	USPAT; US-PGPUB	2003/02/23 16:11
5	148	map\$3 and ((travel and time\$3) and (variable and water and velocity) and seismic)	USPAT; US-PGPUB	2003/02/23 16:12
6	4	two-way and travelttime and model and map\$3 and ((travel and time\$3) and (variable and water and velocity) and seismic)	USPAT; US-PGPUB	2003/02/23 16:15
7	2165	dynamic and water and velocity and correction	USPAT; US-PGPUB	2003/02/23 16:17
8	128	dynamic and water and velocity and correction and seismic and model	USPAT; US-PGPUB	2003/02/23 16:23
9	51	(dynamic and water and velocity and correction and seismic and model) and variable and water and veloci\$4	USPAT; US-PGPUB	2003/02/23 16:27
10	0	water and therocline and velocity and seismic and process\$3 and model and two and way	USPAT; US-PGPUB	2003/02/23 16:28
11	0	water and theromocline and velocity and seismic and process\$3 and model and two and way	USPAT; US-PGPUB	2003/02/23 16:29
12	538	water and velocity and seismic and process\$3 and model and two and way	USPAT; US-PGPUB	2003/02/23 16:30
13	0	water and velocity and seismic and process\$3 and model and two and way and thermocline\$3	USPAT; US-PGPUB	2003/02/23 16:31
14	1	water and velocity and seismic and process\$3 and model and thermocline\$3	USPAT; US-PGPUB	2003/02/23 16:32
15	14	(troway or (two and way)) and velocity and model and thermocline\$3	USPAT; US-PGPUB	2003/02/23 16:34
16	17	(water) and velocity and model and thermocline\$3	USPAT; US-PGPUB	2003/02/23 16:34

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6088299 A	20000711	10	Vertical hydrophone array	367/154
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6080971 A	20000627	32	Fluid heater with improved heating elements controller	219/483
3	<input type="checkbox"/>	<input type="checkbox"/>	US 5936739 A	19990810	15	Gated frequency-resolved optical imaging with an optical parametric amplifier	356/441
4	<input type="checkbox"/>	<input type="checkbox"/>	US 5866880 A	19990202	32	Fluid heater with improved heating elements controller	219/483
5	<input type="checkbox"/>	<input type="checkbox"/>	US 5819676 A	19981013	11	Underwater acoustic search angle selection system and method of special utility with submerged contacts	114/21.3
6	<input type="checkbox"/>	<input type="checkbox"/>	US 5089120 A	19920218	44	Treatment vessel for bodies of water with laterally adjustable pontoons	210/170
7	<input type="checkbox"/>	<input type="checkbox"/>	US 5009500 A	19910423	6	Remote method of measuring subsurface water temperatures	356/43
8	<input type="checkbox"/>	<input type="checkbox"/>	US 4997273 A	19910305	8	Remote method of measuring subsurface water temperatures	356/43
9	<input type="checkbox"/>	<input type="checkbox"/>	US 4973853 A	19901127	6	Remote subsurface water temperature measuring apparatus with Brillouin scattering	250/559.4
10	<input type="checkbox"/>	<input type="checkbox"/>	US 4963024 A	19901016	12	Method and apparatus for determining K factor	356/342

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	367/123; 367/20		Erath, Louis W. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	219/486; 219/492; 219/501; 219/509; 307/38; 392/450; 392/485		Seitz, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	359/330; 600/476		Cameron, Stewart M. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	219/486; 219/492; 219/501; 219/508; 307/38; 392/485; 392/490		Seitz, David et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	114/23		Cwalina, David S.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	114/124; 114/283; 210/198.1; 210/242.1; 239/142		Eberhardt, Thomas E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	356/484; 374/117		Leonard, Donald A. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	356/484; 374/117		Leonard, Donald A. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	250/231.1; 356/43; 356/484; 374/121; 374/127; 374/137		Leonard, Donald A. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	250/574; 348/296; 348/312; 348/81; 356/5.04		Ulich, Bobby L.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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1	US 6088299	<input type="checkbox"/>
2	US 6080971	<input type="checkbox"/>
3	US 5936739	<input type="checkbox"/>
4	US 5866880	<input type="checkbox"/>
5	US 5819676	<input type="checkbox"/>
6	US 5089120	<input type="checkbox"/>
7	US 5009500	<input type="checkbox"/>
8	US 4997273	<input type="checkbox"/>
9	US 4973853	<input type="checkbox"/>
10	US 4963024	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
11	<input type="checkbox"/>	<input type="checkbox"/>	US 4962319 A	19901009	8	Remote subsurface water temperature measuring apparatus with Brillouin scattering	250/574
12	<input type="checkbox"/>	<input type="checkbox"/>	US 4882072 A	19891121	29	Method and apparatus for treating bodies of water	210/252
13	<input type="checkbox"/>	<input type="checkbox"/>	US 4877524 A	19891031	26	Apparatus for treating bodies of water	210/242.1
14	<input type="checkbox"/>	<input type="checkbox"/>	US 4818416 A	19890404	27	Method and apparatus for treating bodies of water	210/749
15	<input type="checkbox"/>	<input type="checkbox"/>	US 4747958 A	19880531	17	Method and apparatus for treating bodies of water	210/749
16	<input type="checkbox"/>	<input type="checkbox"/>	US 4644512 A	19870217	12	Sonar depth finder with relative depth LCD display	367/108
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 3590635 A	19710706	5	PYCNOCLINE FOLLOWER APPARATUS	73/170.29

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
11	250/231.1; 356/43; 356/484; 374/121; 374/127; 374/137		Leonard, Donald A. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	210/242.1; 210/256; 210/257.1; 210/258; 210/739; 210/918		Eberhardt, Thomas E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	144/264; 144/61		Eberhardt, Thomas E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	210/198.1; 210/242.1		Eberhardt, Thomas E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	210/198.1; 210/242.1		Eberhardt, Thomas E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	367/111; 367/112; 367/900; D10/70		Grilk, Henry G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	441/23; 73/170.31; 73/300		Duing, Walter O.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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11	US 4962319	<input type="checkbox"/>
12	US 4882072	<input type="checkbox"/>
13	US 4877524	<input type="checkbox"/>
14	US 4818416	<input type="checkbox"/>
15	US 4747958	<input type="checkbox"/>
16	US 4644512	<input type="checkbox"/>
17	US 3590635	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6128580 A	20001003	38	Converted-wave processing in many-layered anisotropic	702/18
2	<input type="checkbox"/>	<input type="checkbox"/>	US 5995904 A	19991130	28	Method for frequency domain seismic data processing on a massively parallel computer	702/14
3	<input type="checkbox"/>	<input type="checkbox"/>	US 3895343 A	19750715	30	Apparatus for producing adaptive pilot signals	367/190
4	<input type="checkbox"/>	<input type="checkbox"/>	US 3886493 A	19750527	31	Adaptive Monofrequency pilot signals	367/49

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1			Thomsen, Leon	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2			Willen, Dennis E. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	324/76.79; 73/594		Farr, John B.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	367/189; 367/47; 367/51; 73/594		Farr, John B.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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1	US 6128580	<input type="checkbox"/>
2	US 5995904	<input type="checkbox"/>
3	US 3895343	<input type="checkbox"/>
4	US 3886493	<input type="checkbox"/>

ther·mo·cline

ther·mo·cline (thŭr' mə-kīn') *noun*

A layer in a large body of water, such as a lake, that sharply separates regions differing in temperature, so that the temperature gradient across the layer is abrupt.

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